

CLAIMS

1. Device for transporting persons along a staircase, comprising:

- a frame displaceable along a guide,
- a drive to be selectively set into operation for displacing the frame along the guide; and

- a chair on the frame on which a person for transporting can be seated, wherein the chair comprises a seat part and a back rest, wherein at least the seat part on the side directed toward the back rest can be pivoted up and downward in a pivoting movement on a substantially horizontal pivot axis and forms a guide during standing up or sitting down.

2. Device as claimed in claim 1, wherein the back rest is connected to the seat part and co-displaces in substantially upright position with the seat part.

3. Device as claimed in claim 1 or 2, wherein the frame and the seat part are connected to a guide mechanism for guiding the movement of the seat part relative to the frame.

4. Device as claimed in claims 2 and 3, wherein the back rest and the seat part are connected by means of the guide mechanism.

5. Device as claimed in claim 3 or 4, wherein the guide mechanism comprises a chair drive.

6. Device as claimed in claim 3, 4 or 5, wherein the guide mechanism comprises a rod construction coupled by means of hinges.

7. Device as claimed in claim 6, wherein rods in the rod construction are flat and plate-like and fold adjacently of each other into the guide mechanism in a position of the seat part folded down onto the frame.

8. Device as claimed in claim 6 or 7, wherein the hinges in the rod construction form a parallelogram, of which two hinges lying at corner points of the

parallelogram are fixed to the frame in stationary manner relative thereto, and the other two hinge points are coupled to the seat surface.

9. Device as claimed in claim 8, wherein the rods between the two sets of pivot points have a curved form.

10. Device as claimed in claim 8 or 9, wherein the back rest is coupled to the two remaining pivot points.

11. Device as claimed in any of the claims 3-8, wherein the guide mechanism comprises a pull rod which is arranged for rotation on the frame at the rear of the seat part and for rotation on the seat part at the front.

12. Device as claimed in any of the claims 3-8, wherein the guide mechanism defines a non-stationary horizontal pivot axis which during the pivoting movement substantially follows the movement in space of pivot points of legs of a user in the pelvis thereof.

13. Device as claimed in any of the foregoing claims, further comprising a lock to be actuated selectively and acting on at least the seat part, which lock is to be actuated during transport of the frame with the chair thereon along the guide.

14. Device as claimed in any of the foregoing claims, further comprising a blocking to be actuated selectively and acting on the frame, which blocking is to be actuated to prevent transport along the guide if the seat part is not situated in a position folded down on the frame.

15. Device as claimed in any of the foregoing claims, further comprising at least one arm rest.

16. Device as claimed in claims 2 and 15, wherein the arm rest is connected to the seat part and co-displaces in substantially upright position with the seat part.

17. Device as claimed in claim 16, wherein the arm rest is arranged on the back rest and is connected via the back rest to the seat part.

18. Device as claimed in claims 3 and 16, wherein the arm rest is connected to the guide mechanism and is connected via the guide mechanism to the seat part.